

An apparatus includes a plurality of received-signal registers which receive and store therein a plurality of respective received-signal sequences, a selector which selects one of the received signal sequences stored in the received-signal registers, at least one code register which stores therein a de-spreading-code sequence, a multiplication circuit which multiplies the selected one of the received-signal sequences by the de-spreading-code sequence, and a summation circuit which obtains a sum of results of the multiplication to obtain a correlation between the selected one of the received-signal sequences and the de-spreading-code sequence.

5 An apparatus includes a plurality of received-signal registers which receive and store therein a plurality of respective received-signal sequences, a selector which selects one of the received signal sequences stored in the received-signal registers, at least one code register which stores therein a de-spreading-code sequence, a multiplication circuit which multiplies the selected one of the received-signal sequences by the de-spreading-code sequence, and a summation circuit which obtains a sum of results of the multiplication to obtain a correlation between the selected one of the received-signal sequences and the de-spreading-code sequence.